

Effect of Aminoglycosidic Antibiotics
and of Spermidine on the Stability of
Association of Ribosomal Subunits, by
E. B. Lishnevskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 3, July 1971, pp 712-714.
CB

Mar 72

Formation of a Complex of Carnosine
With ATF, by E. V. Petushkova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 3, July 1971, pp 715-718.
CB

Mar 72

Specificity of Action of Rabbit-Liver
Neutral Oligoglucosidases, by
N. A. Ushakova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 199, No 3, July 1971, pp 719-721.
CB

Mar 72

Ultrastructure of Mycorrhiza of the
Garden Pea (*Pisum sativum* L.), by
M. A. Protsenko.

RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 199, No 3, July 1971, pp 722-723.
CB

June 72

Changes in the Photosynthetic Activity
of Millet During Selection in the
Southeast USSR, by V. A. Kumakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci.,
Vol 199, No 3, July 1971, pp 724-726.
CB

June 72

Effect of Heat Hardening on the
Extractability and Heat Resistance of
Water-Soluble Proteins From Wheat
Leaves, by A. M. Shcherbakova.
RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 199, No 3, July 1971, pp 727-729.
CB

June '72

Some Characteristics of Respiratory
Regulation in Natives of High Mountain
Regions, by I. S. Breslav.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 3, July 1971, pp 730-732.
CB

Mar 72

Postsynaptic Potentials in Adjacent
Synapses for Some Multiply Innervated
(Tonic) Fibers in Eye Muscles, by
D. P. Matyushkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 3, July 1971, pp 733-736.
CB

Mar 72

On the Completeness of Operations and Operating
Algorithms, by V. A. Nepomnyashchiy, 6 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR,
Matematika, Moscow, Vol 199, No 4, 1971, pp 780-
782.
JPRS 54460

Nov 71

Possible Description of a Thermodynamic
Nonequilibrium State in a Crystal, by
M. R. Korotkina.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 792-794.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Structure of the Perturbed Region
in Front of a Cylinder in a Super-
sonic Rarefield Gas Flow, by
E. V. Lysenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 795-798.

Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Nonlinear Interaction of an Electron Beam
With a Plasma, by M. D. Gabovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 799-801.
Am Inst of Phys
Vol 16, No 2, February 1972

Mar 72

Electrical Structure of the Surface of
Semiconductors and Boundary Layers, by
G. I. Distler.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 199, No 4, August 1971, pp 802-805.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Calculation of an Ion-Carrier Accelerometer,
by N. S. Lidorenko.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 806-809.

Am Inst of Phys

Vol 16, No 8, February 1972

Mar 72

Electroplastic Deformation of Metal Before
Brittle Fracture, by Vikt. I. Spitsyn.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 810-813.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Role of Vibrational Excitation of Molecules
in Photochemical Reactions of Polyethylene,
by B. I. Stepanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 814-816.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Experimental Investigation of Current
Distribution in Composite Supercon-
ductors, by V. V. Sychev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 4, August 1971, pp 817-820.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Effect of Annealing on the Defect Structure of Neutron-Irradiated Crystals of LiF, by V. I. Zefirova.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys, Vol 199, No 4, August 1971, pp 821-823.

Am Inst of Phys

Vol 16, No 8, February

Mar 72

Recognition of the Physiological Activity
of Chemical Compounds on a Perceptron
With a Random Adaptation of Structure,
by S. A. Hiller.

RUSSIAN, per, Dok Ak Nauk SSSR. Phys
Chem., Vol 199, No 4, August 1971,
pp 851-853.

CB

Mar 72

Spherulite Formation During Isothermal
Crystallization of Isotactic Propylene
Solutions, by A. V. Kenarov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 4, August 1971,
pp 854-856.

CB

Mar 72

Use of an Adiabatic Calorimeter for
Determining Termination Constants in
the Polymerization of Solid Formaldehyde
in a Radiation Field and in Postpoly-
merization, by D. P. Kiryukhin.

RUSSIAN, per, Dok Ak Nauk SSSR. Phys
Chem., Vol 199, No 4, August 1971,
pp 857-860.

CB

Mar 72

Mechanisms of the Assorption of Silver
Ions by Activated Charcoals, by
L. A. Kul'skii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 4, August 1971,
pp 861-864.
CB

Mar 72

Possibility of the Existence of the CF_6^{2-}
Ion, by E. L. Rozenberg.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 4, August 1971,
pp 865-868.
CB

Mar 72

Etch Pits and Dehydration Figures in
the Hexahydrate of Sodium Tripoly-
phosphate, by V. A. Sotnikova-Yuzhik.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 4, August 1971,
pp 869-871.
CB

Mar 72

Oxidative Isomerization of Higher
Olefins in the Presence of Complex
Compounds of Rhodium, by Z. K. Maizus.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 4, August 1971,
pp 872-875.
CB

Mar 72

Temperature-Jump Method in Electro-
chemical Investigations, by
A. A. Chernenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 4, August 1971,
pp 876-879.
CB

Mar 72

Axial Thermal Expansion of Solid
Solutions in the ZrO_2 - HfO_2 System,
by A. M. Gavrish.

RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 4, 1971,
pp 880-882.

CB

June 72

A Study of the Crystallization Structure-
Formation During the Hardening of
Portland Cement and Cement-Sand Mixtures
Using Scanning Electron Microscopy, by
I. L. Gorelova.

RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 4, 1971,
pp 883-885.
CB

June 72

Calculation of the Dynamics of a System
Described by Cell Models and Representing
Nonisothermal Reactions of Arbitrary
Complexity, by V. V. Kafarov.

RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 4, 1971,
pp 886-889.

CB

June 72

adsorption Lowering of Strength During
the Grinding of Anthracite and
Bituminous Coal Under High Temperature
Conditions, by K. Ya. Polferov.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 4, 1971,
pp 890-892.
CB

June 72

"Living" Polymers by Polymerization of
Butadiene in the Presence of -
Crotylpalladium Chloride, by
G. M. Khvostik.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 4, 1971,
pp 893-895.
CB

June 72

Modifying Effect of Cystamine on Some
Mutagenic Influences on the Human
Organism, by A. D. Smirnov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 4, August 1971, pp 937-939.
CB

Mar 72

Application of Radioactive Carbon C¹⁴
to Determine Efficiency of Energy Trans-
fer in a Food Chain: Glucose, by
Eva Fischer.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 4, August 1971, pp 940-943.
CB

Mar 72

Reproduction of Tobacco Mosaic Virus in
Isolated Mitochondria of Rat Liver, by
V. M. Zhdanov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 4, August 1971, pp 944-947.
CB

Mar 72

Investigations on the Effects of
Ribonuclease on Antibody Synthesis
During Secondary in Vitro and in
Vivo Immune Responses, by
I. V. Konstantinova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 4, August 1971, pp 948-951.
CB

Mar 72

Photosensitized Evolution of Oxygen in
Aqueous Solutions of n-Benzoquinone,
by A. A. Krasnovskii.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 199, No 4, August 1971,
pp 952-955.
CB

July 72

Difference in the Concentration Factors
For Sr^{90} From Radioactive Fallout and
Natural Sr in Black Sea Organisms,
by I. A. Sokolova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 199, No 4, August 1971,
pp 956-958.
CB

July 72

Multiple Molecular Forms of Liver
Dextrin-4-Glycosyltransferase, by
A. I. Voskoboiev.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 4, August 1971, pp 959-961.
CB

Mar 72

Specificity of a Series of Glucosylation
Enzymes With Regard to the Structure of
the Hexose Residue of Uridine-Diphosphate-
Glucose, by N. D. Gabrielyan.

RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 4, August 1971, pp 962-964.
CB

Mar 72

Quantitative Relationships in Interactions
of Associates of Chlorophyll With Pro-
teins, by V. D. Semichaevskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 4, August 1971, pp 965-967.
CB

Mar 72

Inclusion of ~~Exogenous~~ Sucrose Into
Free Amino-Acids Metabolism in Winter
Cereals Under Low Temperatures, by
V. I. Babenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci.,
Vol 199, No 4, August 1971, pp 968-971.
CB

June 72

An Immunochemical Study of the Proteins
of Maize Root Growth Zones, by
E. E. Khavkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Bot Sci.,
Vol 199, No 4, August 1971, pp 972-975.
CB

June 72

Influence of Limitation of Mobility on
the Content and Nucleotide Composition
of RNA and on the Protein Content in
Motor Neurons of the Anterior Horns of
the Spinal Cord, by A. V. Gorbunova.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 4, August 1971, pp 976-979.
CB

Mar 72

Ischemic Toxin, by T. M. Oksman.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 4, August 1971, pp 980-983.
CB

Mar 72

On the Algebra of Neumatic Matrices, by
K. G. Agababyan, 5 pp.
RUSSIAN, per, Doklady Akademii Nauk SSSR,
Matematika, Moscow, Vol 199, No 5, 1971,
pp 991-993.
JPRS 54506

Nov 71

Experimental Investigation of the
Mach-Number Distribution in a Com-
pressed Layer in Front of a Cylinder,
by E. V. Lysenko.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 5, August 1971, pp 1029-1031.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Mixed Problem of the Theory of Elasticity
for a Plane With Cuts Located Along the
Real Axis, by E. I. Zverovich.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 5, August 1971, pp 1032-1035.

Am Inst of Phys

Vol 16, No 8, February 1972

Mar 72

Investigation of the Thermal Properties
of Lunar Soil and of its Terrestrial
Analog, by A. P. Dmitriev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 5, August 1971, pp 1036-1037.
Am Inst of Phys
Vol 16, No 8, February 1971

Mar 72

Apparatus TOR-1 for the Examination of
Mechanical and Physical Properties of
Lunar Soil, by M. P. Drozhzhina.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 5, August 1971, pp 1038-1040.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Study of the Narrow Structure of Absorption Spectra in Atmospheric Gases by High-Speed Laser Spectrometry, by V. E. Zuev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 199, No 5, August 1971, pp 1041-1043.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Operating Characteristics of Supercon-
ducting Solenoids in the Temperature
Range 1.6-5.2° K, by G. G. Lazarev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 5, August 1971, pp 1044-1047.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Investigating Current-Optical Effects
in Cosmic Media, by N. V. Fomin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 199, No 5, August 1971, pp 1048-1051.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Anisotropy of the Plane Galvanomagnetic
Effect in Monocrystalline Nickel Films,
by E. F. Kuritsyna.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.
Vol 199, No 5, August 1971, pp 1052-1054.

Am Inst of Phys

Vol 16, No 8, February 1972

Mar 72

Defects in the Crystal Lattice of
Nickel Ferrites, by V. I. Arkharov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1088-1090.
CB

Mar 72

Mechanism of the Oxidation of Carbon
Monoxide on Metal Oxides, by
G. K. Boreskov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1091-1093.
CB

Mar 72

Thermodynamic Characteristics of Higher
Thallium Sulfides and Certain Regulari-
ties in a Series of Monochalcogenides of
the 111B Subgroups, by V. P. Vasil'ev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1094-1097.
CB

Mar 72

Calculation of Permutable Factors in
the Theoretical Group Classification
of Polyelectron Polyatomic Systems,
by A. N. Men'.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1101-1103.
CB

Mar 72

Calculation of the Electron Structure
and Dipole Moment of Calycene by the
CNDO/2 Method, by V. I. Minkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1104-1106.
CB

Mar 72

Determination of Surface Concentrations
in $\text{CaO} - \text{Al}_2\text{O}_3 - \text{SiO}_2$ Melts, by
A. A. Ofitserov.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1107-1109.

CB

Mar 72

Spin-Spin Coupling Constants of Aziridine
Ring Protons. Three-Membered Rings. X.,
by A. A. Fomichev.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1110-1113.

CB

Mar 72

Concentration and Temperature Curves
for the Contact Interactions of
Particles in Polymer Solutions, by
E. D. Yakhnin.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 5, August 1971,
pp 1114-1117.
CB

Mar 72

A Propellant Motor as a Homogeneous
Chemical Reactor, by Yu. A. Gostintsev.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 5, 1971,
pp 1118-1121.
CB

June 72

Maximum Combustion Rates of Graphite
and Other Carbonaceous Materials at
High Temperatures, by I. A. Yavorskii.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 5, 1971,
pp 1122-1125.
CB

June 72

Quantitative Morphometry of Cytoplasmic
Membranes as Exemplified in the Lamellar
Structures of Chloroplasts, by
S. V. Tageeva.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 5, August 1971, pp 1171-1173.
CB

Mar 72

An Investigation of the Limiting Stage
in the Mechanism of Permeation of
Hydrogen Ions Through Bilayer Lipid
Membranes, by L. I. Boguslavskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Biophys.,
Vol 199, No 5, August 1971,
pp 1174-1177.
CB

July 72

Crystallization (Polymerization) of a
Complex of Tryptophanyl-tRNA-
Synthetase With Tryptophan, by
L. L. Kiselev.

RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 199, No 5, August 1971,
pp 1178-1180.
CB

July 72

Phosphorescence and Delayed Fluorescence
of Protochlorophyll Pigments, by
A. A. Krasnovskii.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 199, No 5, August 1971,
pp 1181-1184.
CB

July 72

Kinetics and Mechanism of Acid-Induced
Conformational Changes in DNA, by
T. I. Smol'yaninova.
RUSSIAN, par, Dok Ak Nauk SSSR. Biophys.,
Vol 199, No 5, August 1971, pp 1185-1188.
CB

July 72

Ultraviolet Luminescence of Mitochondria
in Different Functional States, by
V. I. Sorokovoi.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 199, No 5, August 1971, pp 1189-1191.
CB

July 72

Functional Modelling of Biochemical
Systems, by G. V. Voronin.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 5, August 1971, pp 1192-1195.
CB

Mar 72

Lipoamino-Acid Compounds of Plastids
During Light-Induced Formation of
Ultrastructures of Corn Chloroplasts,
by M. I. Molchanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 199, No 5, August 1971, pp 1196-1199.
CB

Mar 72

Requirement of Aerobic Cells for
Hydrogen Peroxide, by A. A. Gurevich.
RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 199, No 5, August 1971, pp 1200-1203.
CB

June 72

Polymeric Iron Orthophosphate, A New
Compound in Various Fungi, by
L. A. Okorekov.
RUSSIAN, per, Dok Ak Nauk SSSR. Bot. Sci.,
Vol 199, No 5, August 1971, pp 1204-1205.
CB

June 72

Possibility of Using Transitional
Processes to Increase the Efficiency
of Photosynthesis in the Unicellular
Alga Chlorella, by F. Ya. Sid'ko,
RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 199, No 5, August 1971, pp 1206-1208.
CB

June 72

Certain Dynamic Characteristics of the
PD-Receptor Organ in the Crayfish, by
V. S. Burdanov.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 5, August 1971, pp 1209-1211.
CE

Mar 72

Changes in the Content of Certain Products
of Glycolysis in the Myocardium of the
Frog in Various Phases of the Cardiac
Cycle, by E. G. Krause.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 5, August 1971, pp 1212-1215.
CB

Mar 72

Entropy and Self-Oscillations in Nonlinear
Systems, by V. V. Petrov.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1260-1261.

Am Inst of Phys

Vol 16, No 8, February 1972

Mar 72

Analysis of the Explosion of Finite
Cylindrical Charges, by L. V. Shurshalov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1262-1264.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Local Relations of Kinematic Testing
Functions for Rheological Models of the
Theory of Heredity, by A. N. Suprun.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1265-1267.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Investigation of the Friction and
Abrasion Properties of Lunar Soil, by
A. S. Buyalo.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1268-1270.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Use of a Q-Meter to Study the Electrical
Properties of Lunar Soil and of its
Analog, by A. R. Golovkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1271-1273.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Preliminary Results From an Investigation
of the Mechanical Properties of the Lunar
Regolith, by V. I. Druzhininskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1274-1277.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Using the Noctilucent-Layer Effect for
Purposes of Independent Navigation and
Attitude Control of Piloted Spacecraft,
by K. Ya. Kondrat'ev.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1278-1281.
Am Inst of Phys
Vol 16, No 8, February 1972

NASA TTF-14,110 977

Mar 72

Spectroscopic Properties and Emission
of Nd^{3+} IN ZnO_2 and HfO_2 Crystals, by
V. I. Aleksandrov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1282-1283.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Peculiarities of the Dynamics of the
Radiation From a Ruby Laser Having a Com-
plex Resonator Which Includes an Optical
Delay Line, by L. S. Kornienko.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1284-1285.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Low-Frequency Oscillations in a Weakly
Ionized Current-Free Plasma in a Longi-
tudinal Magnetic Field, by B. N. Shvilkin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1286-1288.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Effect of a Magnetic Field on the Plastic
Deformation of Iron, by D. S. Kamenetskaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 199, No 6, August 1971, pp 1289-1291.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

Effect of Relaxation Phenomena on Frequency
Dependence of Durability of Plastics, by
S. B. Ratner.

RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1292-1295.

Am Inst of Phys

Vol 16, No 8, February 1972

Mar '72

Effect of the Nature of the Oxidizer in
an Explosive Compound on the Combustion
Rate, by A. E. Fogel'zang.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 199, No 6, August 1971, pp 1296-1299.
Am Inst of Phys
Vol 16, No 8, February 1972

Mar 72

EPR Investigation of Electron Transfer
on the Surface of Activated Carbon,
by A. D. Grishina.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 6, August 1971,
pp 1339-1342.

CB

Mar 72

Degree of Dispersion of Emulsions as
a Factor affecting the Rate of Initia-
tion of Radical Reactions, by
S. S. Ivanchev.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 6, August 1971,
pp 1343-1346.
CB

Mar 72

Chemical Shifts of Water in Semi-
permeable Membranes of Cellulose
Acetate, by V. V. Mank.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 6, August 1971,
pp 1347-1349.
CB

Mar 72

Disorder and Aging of the Solid Phase
During Crystallization of BaSO_4 , by
I. V. Melikhov.

RUSSIAN, per, Dok Ak Nauk SSSR. Phys
Chem., Vol 199, No 6, August 1971,
pp 1350-1352.
CB

Mar 72

Hydrogenation of Binary Alkyne Mix-
tures on Rhodium, by A. M. Sokol'skaya.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 6, August 1971,
pp 1353-1355.
CB

Mar 72

Effect of Radiation on the Catalytic
Activity of Some Rare Earth Element
Oxides, by G. N. Pirogova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 199, No 6, August 1971,
pp 1356-1359.
CB

MAR 72

Inner Tensions in Filled Aluminosilicate
Xerogels, by S. I. Kentorovich.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 6, 1971,
pp 1360-1363.
CB

June 72

Nonstatistical Distribution of an
Oligomer Among Templates With the
Polymethacrylic Acid (Template)-
Polyethylene Glycol (Oligomer) System
as an Example, by I. M. Papisov.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 6, 1971,
pp 1364-1366.
CB

June 72

Effect of the Degree of Homogenization
of the Components on the Formation of
a Solid Solution of CaO in ZrO_2 , by
D. S. Rutman.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 199, No 6, 1971,
pp 1367-1369.
CB

June 72

Change of Mitotic Activity After Block-
ing Protein Synthesis With Puromycin,
by I. A. Alov.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 199, No 6, August 1971, pp 1417-1419.
CB

Mar 72

Description of the Karyotypes of Certain
Species of Birds of the USSR, by
N. Sh. Bulatova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 199, No 6, August 1971, pp 1420-1423.
CB

Mar 72